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### Selected Publications:

Jasion, P., and Magnucki, K., 2007, "Elastic Buckling of Barrelled Shell Under External Pressure," *Thin-Walled Struct.*, 45, pp. 393–399.

P. Jasion and K. Magnucki, "Buckling Analysis of Shells of Revolution Under Bending Loads", in B.H.V. Topping, M. Papadrakakis, (Editors), "Proceedings of the Ninth International Conference on Computational Structures Technology", Civil-Comp Press, Stirlingshire, UK, Paper 233, 2008

Pawel Jasion and Krzysztof Magnucki, "The influence of axial load on elastic buckling of shells of revolution", *The Archive of Mechanical Engineering*, Vol LV, No. 2, 2008

P. Jasion, Stability analysis of shells of revolution under pressure conditions, *Thin-Walled Structures*, 47, 311–317, 2009.

Wasilewicz P., Jasion P., 2010, Strength analyses of sandwich beams, Poznan University of Technology, Poznan, Report in Polish, 21-361/2010

Jasion P., Magnucka-Blandzi E., Szyk W., Wasilewicz P., Magnucki K., 2011, Global and local buckling of a sandwich beam-rectangular plate with metal foam core, *Proc. 6th Int. Conference on Thin-walled Structures*, Vol. 2, Dubina D., Ungureanu V. (Eds.), ECCS Publication, Printed in Multicomp Lda, Mem Martins, Portugal, ISBN(ECCS) 978-92-9147-102-7, 707-714

Jasion P., Magnucki K., 2011, Buckling-wrinkling of a face of sandwich beam under pure bending, *Modelowanie Inzynierskie*, 41, 151-156, ISSN 1896-771X [in Polish]

Pawel Jasion and Krzysztof Magnucki, "Face Wrinkling of Sandwich Beams under Pure Bending", *Journal of Theoretical and Applied Mechanics*, Vol. 50, No. 4, pp. 933-941, Warsaw 2012, 50<sup>th</sup> Anniversary of JTAM

P. Jasion, E. Magnucka-Blandzi, W. Szyk and K. Magnucki, "Global and local buckling of sandwich circular and beam-rectangular plates with metal foam core", *Thin-Walled Structures*, Vol. 61, pp. 154-161, December

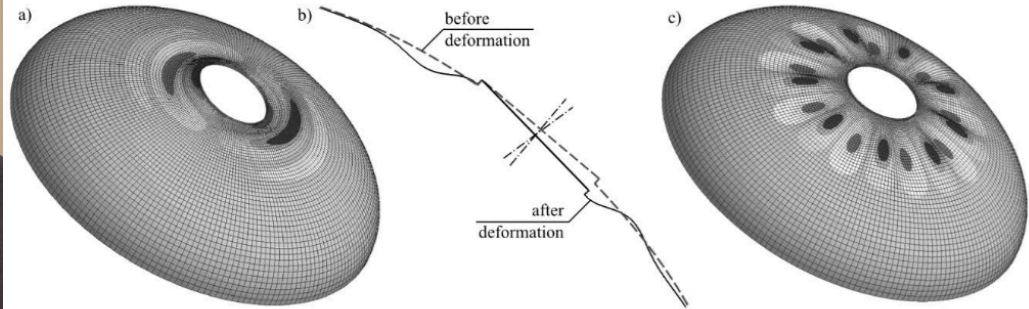


Fig. 3. First buckling mode of the ellipsoidal head: under compression a), b); under tension c)

From: P. Jasion and K. Magnucki (Institute of Applied Mechanics, Poznan University of Technology, Poland), "Stability of an ellipsoidal head with a central nozzle under axial load", *Archives of Civil Engineering*, Vol. 61, No. 2, 2015

2012

Jasion, P., 2013, "Stabilisation of a Post-Critical Behaviour of Sandwich Cylindrical Shells," Shell Structures: Theory and Applications, Vol. 3, W. Pietraszkiewicz and J.G. Górski, eds., Taylor & Francis, London, pp. 195–198.

K. Magnucki, P. Jasion, Analytical description of pre-buckling and buckling states of barrelled shells under radial pressure, Ocean Engineering, 58, 217–223, 2013

Krzysztof Magnucki, Pawel Jasion, Marcin Krus, Pawel Kuligowski and Leszek Wittenbeck, "Strength and Buckling of Sandwich Beams with Corrugated Core", Journal of Theoretical and Applied Mechanics, Vol. 51, No. 1, pp. 15-24, Warsaw 2013

P. Jasion, Stabilisation of a post-critical behaviour of sandwich cylindrical shells [in:] Shell structures: theory and applications, Vol. 3, W. Pietraszkiewicz and J. Górski [eds.], 195–198, Taylor & Francis Group, London, UK, 2014.

P. Jasion and K. Magnucki, "Elastic buckling of Cassini ovaloidal shells under external pressure – theoretical study", Arch. Mech., Vol. 67, No. 2, pp 179-192, 2015

P. Jasion, K. Magnucki, Elastic buckling of clothoidal-spherical shells under external pressure – theoretical study, Thin-Walled Structures, 86, 18–23, 2015.

P. Jasion and K. Magnucki (Institute of Applied Mechanics, Poznan University of Technology, Poland), "Stability of an ellipsoidal head with a central nozzle under axial load", Archives of Civil Engineering, Vol. 61, No. 2, 2015